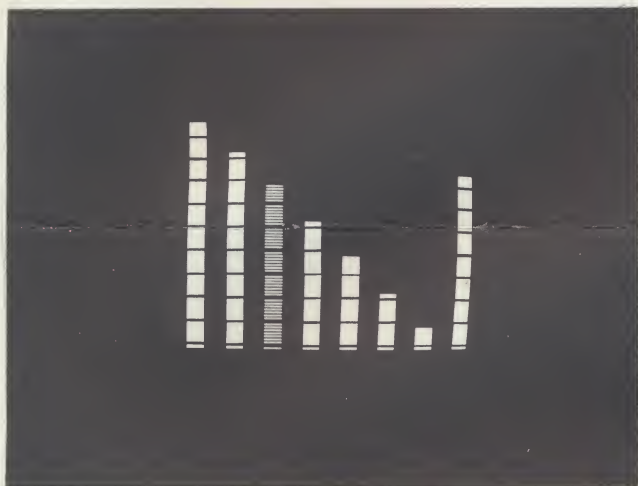


bar graph



Controls: Bar group position ☐ Bar spacing ☐ Bar width ☐ Bar identification ☐ Vertical position ☐ Baseline ☐ Video polarity ☐ Master gain ☐ Channel 1-8 gains

Representative

Model 101 Bar Graph Generator \$1250

Colorado Video, Inc. ☐ Boulder, Colorado

Phone (303) 444-3972 CVI June 65

price and specifications subject to change without notice

Features

Large screen data presentation ☐ Systems flexibility ☐ Low cost remote displays ☐ High visibility ☐ Flexible data presentation ☐ Interconnection for 8-16-24-32 or more channels ☐ Compatible with standard TV systems ☐ Variable bar group position and size ☐ Individual channel identification ☐ Black or white image ☐ Flicker-free display ☐ Compact, requires only 3½" of rack space ☐ Solid state

Specifications

Size: 3½" x 19" x 8" ☐ Mounting: Standard 19" rack ☐ Construction: Solid State, Silicon ☐ Power: 117 VAC, 15 watts

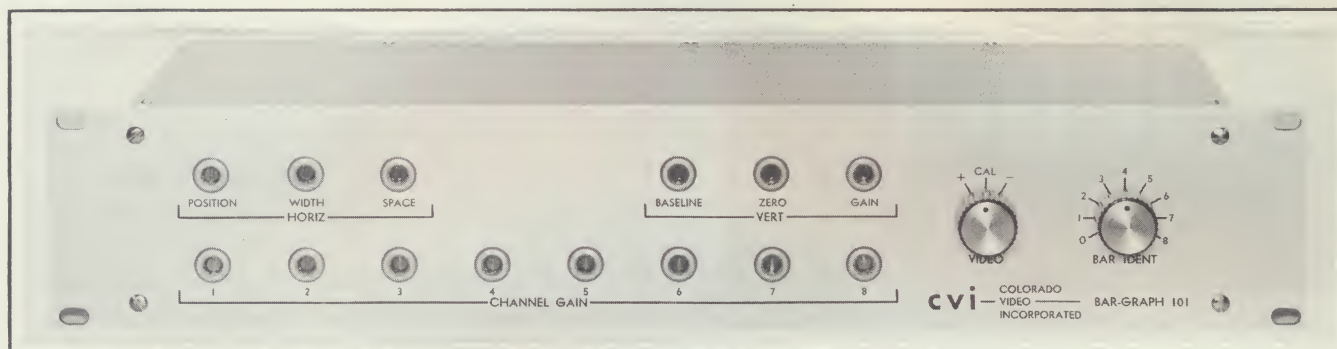
Inputs: Horizontal Drive ☐ Vertical Drive ☐ Blanking ☐ Sync ☐ Signal: 0 to -5 Volts DC (channels 1-8)

Outputs: Video, 1 volt p-p, 75 ohms ☐ Video, 1 volt p-p, 75 ohms ☐ Clock pulse, 2 volts p-p, Hi-Z ☐ Gate pulses (1-8) 2 volts p-p, Hi-Z



model 101

bar graph / generator / 101



General Description

The model 101 is used with standard closed circuit television systems to provide a graphic display of 8 separate input signals in the form of a series of vertical bars on a TV monitor, the height of each being proportionate to the associated input voltage. The resultant display is a highly visible and effective means of showing relationships or monitoring the status of a multiplicity of functions.

Design philosophy permits the mixing of the Bar Graph output signal with visual information from conventional TV cameras, and all of the systems flexibility of a modern industrial TV system can be used in terms of large or small screen display, multiple station monitoring, switching, mixing, etc. Operating controls allow the positioning and spacing of the bar group for maximum display efficiency, as well as providing for identification of individual channels. Two or more Bar Graph generators may be used when additional inputs are required, with groups being distinguishable by spatial location, size, or video polarity.

Applications

Status indication ☐ Chart simulation ☐ Process control ☐ Meter remoting ☐ Digital data display ☐ Telemetry readout ☐ Profile monitoring ☐ Classroom demonstration

cvi — COLORADO
VIDEO
INCORPORATED
BOX 928 • BOULDER, COLORADO • 80301



COLORADO VIDEO, INCORPORATED • 2991 PEAK AVENUE • BOULDER, COLORADO • PHONE (303) 444-3972

Video Analyser 301

General Description

The CVI model 301 Video Analyser incorporates two break-throughs in television waveform display. First, modern digital television techniques are used to provide the equivalent of "line selection" at TV field rates, with a resultant clear, jitter-free, easy-to-interpret waveform.

The second unique feature of the model 301 is the actual display of video waveforms directly on the screen of a normally operating television picture monitor. A large, bright, trace is produced with simple correlation between visual image and waveform.

Internal calibration is provided, as is an electronically generated reference grating pattern. A vertical marking signal indicates directly the portion of the picture producing the video waveform, and a horizontal marker allows convenient point-by-point analysis of video levels.

Operating controls allow the positioning and variation in size of the scope trace, as well as the reference grating. Provision is made for either local or remote control of both vertical and horizontal markers, which may be positioned at any point on the TV raster. Video clamping is used to insure accurate determination of black levels, and a special DC coupled video output provides a vertical "line selected" signal for use with conventional oscilloscopes.



Price: \$875.

(PRICE AND SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE)

- Unique vertical "line selector" operation
- Large screen waveform display
- Point-by-point video amplitude indication
- Reference grating
- Internal calibration
- Clamped video
- Remote control
- Solid state silicon design
- 3½ inches of rack space

Features

Applications

Broadcast & Television Studios

Gain riding, level matching, camera focusing, color balancing, lighting and grey scale adjustments, scene analysis

Educational Television

Demonstration of TV principles, illustration of the effects of lighting, grey scale, and camera adjustments, picture analysis, Physics and Science experiments

Research

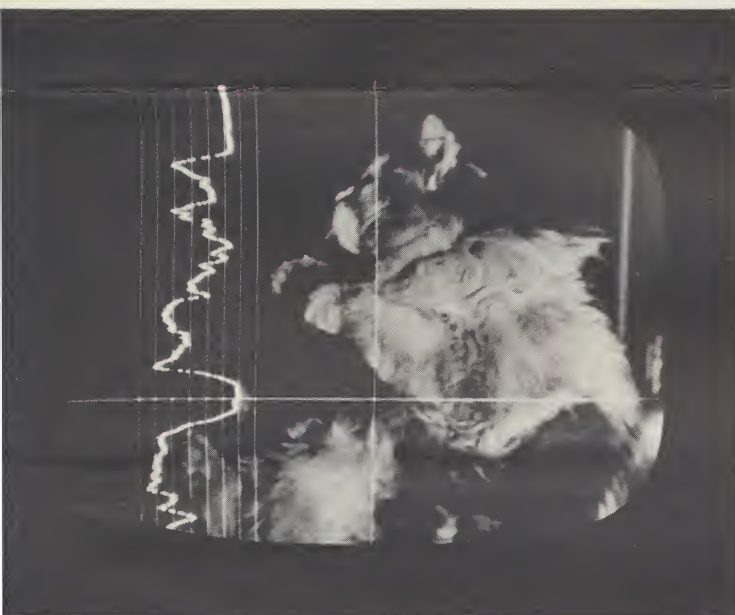
Visual data analysis, signal processing, particle counting, densitometry and reflectometry, visual data input to computer

Specifications

Size
Mounting
Construction
Power
Inputs

Outputs
Controls

	3½" x 19" x 8"
	Standard 19" rack
	Printed circuit, solid state, silicon
	117 VAC, 15 watts
Horizontal drive	4V, 1K ohms
Vertical drive	4V, 1K ohms
Blanking	4V, 1K ohms
Video	1V, 1K ohms
Horiz marker remote	5K pot
Vert marker remote	5K pot
Video to monitor5V, 75 ohms
Video to ext. scope	2.5V, 1K ohms
	Horizontal marker position
	Vertical marker position
	Calibration: chop-normal-1 volt
	Grating: +, off, -
	Grating width
	Grating position
	Grating spacing
	Trace gain
	Trace position
	Trace brightness



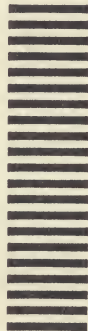
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First Class Permit No. 590, Boulder, Colorado

COLORADO VIDEO, INC.
2991 Peak Avenue
Boulder, Colorado 80302



I would like information on CVI Video Products

- ☐ Bar Graph Generators
- ☐ Video Analysers
- ☐ Laboratory Sync Generators
- ☐ 601 Data Camera
- ☐ Video X-Y Plotter
- ☐ Large Screen Oscilloscopes
- ☐ Video Special Effects

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Company _____

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